

ABSTRACT OF THE DISCLOSURE

A method for calibrating a production printing cartridge for use in an imaging system includes the steps of obtaining first standard cartridge signature color data associated with a standard printing cartridge and a first substrate, obtaining second standard cartridge signature color data associated with the standard printing cartridge and a second substrate, obtaining first production cartridge signature color data associated with the production printing cartridge and the first substrate, and estimating second production cartridge signature color data associated with the production printing cartridge and the second substrate based on the first standard cartridge signature color data, the second standard cartridge signature color data, and the first production cartridge signature color data.